

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

"PROCESS FOR ETCHING POLYSILICON GATES WITH GOOD MASK SELECTIVITY, CRITICAL DIMENSION CONTROL, AND CLEANLINESS"

SPECIFICATION IDENTIFICATION

The specification of which:

- ☒ is attached hereto
- ☐ was filed on _____, under Serial No. (unknown), executed on even date herewith; or
- ☐ Express Mail No. _____ (as Serial No. not yet known) and was amended on _____ (if applicable)
- ☐ was described and claimed in PCT international application no. _____ filed on _____ and as amended under PCT Article 19 on _____.

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I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

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PRIORITY CLAIM (35 U.S.C. §119)

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A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
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B. All foreign application(s), if any, filed more than 12 mos. (6 mos. for design) prior to this U.S. application

Country:
Application No:
Filing date:

C. US Provisional applications filed within 12 months prior to this U.S. Application

Application No: 60/444,340
Filing date: January 31, 2003

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: **Songlin Xu**

Inventor's signature:  Date: 8/15/03

Residence: Fremont, California
Post Office Address: 41641 Denise St.
Fremont, CA 94539
U.S.A.

Country of Citizenship: USA

Full name of second inventor: **Thorsten B. Lill**

Inventor's signature: _____ Date: _____

Residence: Santa Clara, California
Post Office Address: 88 Muir Avenue
Santa Clara, CA 95051
U.S.A.

Country of Citizenship: Germany

Full name of **third** inventor: **Yeajer Arthur Chen**

Inventor's signature: _____ Date: _____

Residence: Fremont, California

Post Office Address: 744 Bodega Court
Fremont, CA 94539
U.S.A.

Country of Citizenship: USA

Full name of **fourth** inventor: **Mohit Jain**

Inventor's signature: _____ Date: _____

Residence: San Jose, California

Post Office Address: 4754 San Tropico Court
San Jose, CA 95135

U.S.A.

Country of Citizenship: India

Full name of **fifth** inventor: **Nicolas Gani**

Inventor's signature: _____ Date: _____

Residence: Milpitas, California

Post Office Address: 755 East Capitol Ave #C-308
Milpitas, CA 95035

U.S.A.

Country of Citizenship: Indonesia

Full name of **sixth** inventor: **Shing-Li Sung**

Inventor's signature: _____ Date: _____

Residence: Hsin-Chu, Taiwan

Post Office Address: N0121, Alley 18, Lane 85, Fu-Chun Street
Hsin-Chu, Taiwan
TAIWAN

Country of Citizenship: Taiwan

Full name of **seventh** inventor: **Jitske K. Trevor-Kretz**

Inventor's signature: _____ Date: _____

Residence: Sunnyvale, California

Post Office Address: 1000 Escalon Avenue, #P1124
Sunnyvale, CA 94086
U.S.A.

Country of Citizenship: USA

Full name of **eighth** inventor: **Meihua Shen**

Inventor's signature: _____ Date: _____

Residence: Fremont, California

Post Office Address: 694 Perry Common
Fremont, CA 94539
U.S.A.

Country of Citizenship: USA

Full name of ninth inventor: **Farid Aboomeri**

Inventor's signature: _____ Date: _____

Residence: Pleasanton, California

Post Office Address: 4159 Torino Court
Pleasanton, CA 94588
U.S.A.

Country of Citizenship Iran

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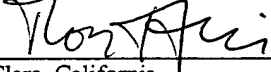
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Post Office Address: 88 Muir Avenue
Santa Clara, CA 95051
U.S.A. Country of Citizenship: Germany

Full name of **third** inventor: **Yeager Arthur Chen**

Inventor's signature: _____ Date: _____
Residence: Fremont, California
Post Office Address: 744 Bodega Court
Fremont, CA 94539
U.S.A. Country of Citizenship: USA

Full name of **fourth** inventor: **Mohit Jain**

Inventor's signature: _____ Date: _____
Residence: San Jose, California
Post Office Address: 4754 San Tropico Court
San Jose, CA 95135
U.S.A. Country of Citizenship: India

Full name of **fifth** inventor: **Nicolas Gani**

Inventor's signature: _____ Date: _____
Residence: Milpitas, California
Post Office Address: 755 East Capitol Ave #C-308
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U.S.A. Country of Citizenship: Indonesia

Full name of **sixth** inventor: **Shing-Li Sung**

Inventor's signature: _____ Date: _____
Residence: Hsin-Chu, Taiwan
Post Office Address: N0121, Alley 18, Lane 85, Fu-Chun Street
Hsin-Chu, Taiwan
TAIWAN Country of Citizenship: Taiwan

Full name of **seventh** inventor: **Jitske K. Trevor-Kretz**

Inventor's signature: _____ Date: _____
Residence: Sunnyvale, California
Post Office Address: 1000 Escalon Avenue, #P1124
Sunnyvale, CA 94086
U.S.A. Country of Citizenship: USA

Full name of **eighth** inventor: **Meihua Shen**

Inventor's signature: _____ Date: _____
Residence: Fremont, California
Post Office Address: 694 Perry Common
Fremont, CA 94539
U.S.A. Country of Citizenship: USA

Full name of **ninth** inventor: **Farid Abooameri**

Inventor's signature: _____ Date: _____

Residence: Pleasanton, California

Post Office Address: 4159 Torino Court

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U.S.A.

Country of Citizenship Iran

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U.S.A.

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Full name of **fourth** inventor: **Mohit Jain**

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Residence: San Jose, California

Post Office Address: 4754 San Tropico Court
San Jose, CA 95135

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Full name of **fifth** inventor: **Nicolas Gani**

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Residence: Milpitas, California

Post Office Address: 755 East Capitol Ave #C-308
Milpitas, CA 95035

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Residence: Sunnyvale, California

Post Office Address: 1000 Escalon Avenue, #P1124
Sunnyvale, CA 94086
U.S.A.

Country of Citizenship: USA

Full name of **eighth** inventor: **Meihua Shen**

Inventor's signature: _____ Date: _____

Residence: Fremont, California

Post Office Address: 694 Perry Common
Fremont, CA 94539
U.S.A.

Country of Citizenship: USA

Full name of ninth inventor: **Farid Abooameri**

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Post Office Address: 4159 Torino Court
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Country of Citizenship Iran

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Full name of sole or first inventor: **Songlin Xu**

Inventor's signature: _____ Date: _____
Residence: Fremont, California
Post Office Address: 41641 Denise St.
Fremont, CA 94539
U.S.A. Country of Citizenship: USA

Full name of second inventor: **Thorsten B. Lill**

Inventor's signature: _____ Date: _____
Residence: Santa Clara, California
Post Office Address: 88 Muir Avenue
Santa Clara, CA 95051
U.S.A. Country of Citizenship: Germany

Full name of **third** inventor: **Yeajer Arthur Chen**

Inventor's signature: _____ Date: _____

Residence: Fremont, California

Post Office Address: 744 Bodega Court
Fremont, CA 94539
U.S.A.

Country of Citizenship: USA

Full name of **fourth** inventor: **Mohit Jain**

Inventor's signature: Mohit Kumar Jain Date: 09/05/03

Residence: San Jose, California

Post Office Address: 4754 San Tropico Court
San Jose, CA 95135

U.S.A.

Country of Citizenship: India

Full name of **fifth** inventor: **Nicolas Gani**

Inventor's signature: _____ Date: _____

Residence: Milpitas, California

Post Office Address: 755 East Capitol Ave #C-308
Milpitas, CA 95035

U.S.A.

Country of Citizenship: Indonesia

Full name of **sixth** inventor: **Shing-Li Sung**

Inventor's signature: _____ Date: _____

Residence: Hsin-Chu, Taiwan

Post Office Address: N0121, Alley 18, Lane 85, Fu-Chun Street
Hsin-Chu, Taiwan
TAIWAN

Country of Citizenship: Taiwan

Full name of **seventh** inventor: **Jitske K. Trevor-Kretz**

Inventor's signature: _____ Date: _____

Residence: Sunnyvale, California

Post Office Address: 1000 Escalon Avenue, #P1124
Sunnyvale, CA 94086
U.S.A.

Country of Citizenship: USA

Full name of **eighth** inventor: **Meihua Shen**

Inventor's signature: _____ Date: _____

Residence: Fremont, California

Post Office Address: 694 Perry Common
Fremont, CA 94539
U.S.A.

Country of Citizenship USA

Full name of **ninth** inventor: **Farid Abooameri**

Inventor's signature: _____ Date: _____

Residence: Pleasanton, California

Post Office Address: 4159 Torino Court

Pleasanton, CA 94588

U.S.A.

Country of Citizenship Iran

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Full name of fourth inventor: **Mohit Jain**

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Residence: San Jose, California
Post Office Address: 4754 San Tropic Court
San Jose, CA 95135
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Full name of fifth inventor: **Nicolas Gani**

Inventor's signature:  _____ Date: 6/13/03
Residence: Milpitas, California
Post Office Address: 755 East Capitol Ave #C-308
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U.S.A. Country of Citizenship: Indonesia

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Residence: Hsin-Chu, Taiwan
Post Office Address: N0121, Alley 18, Lane 85, Fu-Chun Street
Hsin-Chu, Taiwan
TAIWAN Country of Citizenship: Taiwan

Full name of seventh inventor: **Jitske K. Trevor-Kretz**

Inventor's signature: _____ Date: _____
Residence: Sunnyvale, California
Post Office Address: 1000 Escalon Avenue, #P1124
Sunnyvale, CA 94086
U.S.A. Country of Citizenship: USA

Full name of eighth inventor: **Meihua Shen**

Inventor's signature: _____ Date: _____
Residence: Fremont, California
Post Office Address: 694 Perry Common
Fremont, CA 94539
U.S.A. Country of Citizenship: USA

Full name of **ninth** inventor: **Farid Abooameri**

Inventor's signature: _____ Date: _____

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U.S.A. Country of Citizenship: Germany

Full name of **third** inventor: **Yeajer Arthur Chen**

Inventor's signature: _____ Date: _____
Residence: Fremont, California
Post Office Address: 744 Bodega Court
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Full name of **fourth** inventor: **Mohit Jain**

Inventor's signature: _____ Date: _____
Residence: San Jose, California
Post Office Address: 4754 San Tropico Court
San Jose, CA 95135
U.S.A. Country of Citizenship: India

Full name of **fifth** inventor: **Nicolas Gani**

Inventor's signature: _____ Date: _____
Residence: Milpitas, California
Post Office Address: 755 East Capitol Ave #C-308
Milpitas, CA 95035
U.S.A. Country of Citizenship: Indonesia

Full name of **sixth** inventor: **Shing-Li Sung**

Inventor's signature: Shing-Li Sung Date: 6/30, 03
Residence: Hsin-Chu, Taiwan
Post Office Address: N0121, Alley 18, Lane 85, Fu-Chun Street
Hsin-Chu, Taiwan
TAIWAN Country of Citizenship: Taiwan

Full name of **seventh** inventor: **Jitske K. Trevor-Kretz**

Inventor's signature: _____ Date: _____
Residence: Sunnyvale, California
Post Office Address: 1000 Escalon Avenue, #P1124
Sunnyvale, CA 94086
U.S.A. Country of Citizenship: USA

Full name of **eighth** inventor: **Meihua Shen**

Inventor's signature: _____ Date: _____
Residence: Fremont, California
Post Office Address: 694 Perry Common
Fremont, CA 94539
U.S.A. Country of Citizenship: USA

Full name of ninth inventor: **Farid Abooameri**

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TAIWAN Country of Citizenship: Taiwan

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Inventor's signature: Jeltz Date: 7/7/03
Residence: ~~San Jose~~ Sunnyvale, California
Post Office Address: ~~1000 Escalon Avenue, #P1124~~ 343 Henderson Dr
~~Sunnyvale, CA 94086~~ San Jose, CA 95123 KE
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<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

B. All foreign application(s), if any, filed more than 12 mos. (6 mos. for design) prior to this U.S. application

Country:
Application No:
Filing date:

C. US Provisional applications filed within 12 months prior to this U.S. Application

Application No: 60/444,340
Filing date: January 31, 2003

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

- ☐ No such applications have been filed
- ☐ Such applications have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Patented</u>	<u>Status</u>	
			<u>Pending</u>	<u>Abandoned</u>

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa	Registration No. 25,610
Donald Verplancken	Registration No. 33,217
Lawrence Edelman	Registration No. 25,226
Michael B. Einschlag	Registration No. 29,301
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Joseph Bach	Registration No. 37,771
Robert W. Mulcahy	Registration No. 25,436
Walter Benjamin Glenn	Registration No. 44,713
Francis E. Morris	Registration No. 24,615

Send correspondence to:

Direct telephone calls to:

Patent Counsel, MS/2061
Legal Affairs Dept.
Applied Materials, Inc.
P. O. Box 450A
Santa Clara, CA 95052.

Francis E. Morris
Phone No. (650) 493-4935

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: **Songlin Xu**

Inventor's signature: _____ Date: _____

Residence: Fremont, California

Post Office Address: 41641 Denise St.
Fremont, CA 94539
U.S.A.

Country of Citizenship: USA

Full name of second inventor: **Thorsten B. Lill**

Inventor's signature: _____ Date: _____

Residence: Santa Clara, California

Post Office Address: 88 Muir Avenue
Santa Clara, CA 95051
U.S.A.

Country of Citizenship: Germany

Full name of **third** inventor: **Yeajer Arthur Chen**

Inventor's signature: _____ Date: _____

Residence: Fremont, California

Post Office Address: 744 Bodega Court
Fremont, CA 94539
U.S.A.

Country of Citizenship: USA

Full name of **fourth** inventor: **Mohit Jain**

Inventor's signature: _____ Date: _____

Residence: San Jose, California

Post Office Address: 4754 San Tropico Court
San Jose, CA 95135
U.S.A.

Country of Citizenship: India

Full name of **fifth** inventor: **Nicolas Gani**

Inventor's signature: _____ Date: _____

Residence: Milpitas, California

Post Office Address: 755 East Capitol Ave #C-308
Milpitas, CA 95035
U.S.A.

Country of Citizenship: Indonesia

Full name of **sixth** inventor: **Shing-Li Sung**

Inventor's signature: _____ Date: _____

Residence: Hsin-Chu, Taiwan

Post Office Address: N0121, Alley 18, Lane 85, Fu-Chun Street
Hsin-Chu, Taiwan
TAIWAN

Country of Citizenship: Taiwan

Full name of **seventh** inventor: **Jitske K. Trevor-Kretz**

Inventor's signature: _____ Date: _____

Residence: Sunnyvale, California

Post Office Address: 1000 Escalon Avenue, #P1124
Sunnyvale, CA 94086
U.S.A.

Country of Citizenship: USA

Full name of **eighth** inventor: **Meihua Shen**

Inventor's signature: Meihua Shen Date: 6-11-03

Residence: Fremont, California

Post Office Address: 694 Perry Common
Fremont, CA 94539
U.S.A.

Country of Citizenship: USA

Full name of ninth inventor: **Farid Abooameri**

Inventor's signature: _____ Date: _____

Residence: Pleasanton, California

Post Office Address: 4159 Torino Court
Pleasanton, CA 94588
U.S.A.

Country of Citizenship Iran

(Declaration ends with this page)

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

"PROCESS FOR ETCHING POLYSILICON GATES WITH GOOD MASK SELECTIVITY, CRITICAL DIMENSION CONTROL, AND CLEANLINESS"

SPECIFICATION IDENTIFICATION

The specification of which:

- ☒ is attached hereto
- ☐ was filed on _____, under Serial No. (unknown), executed on even date herewith; or
- ☐ Express Mail No. _____ (as Serial No. not yet known) and was amended on _____ (if applicable)
- ☐ was described and claimed in PCT international application no. _____ filed on _____ and as amended under PCT Article 19 on _____.

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

☐ In compliance with this duty, there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☐ No such applications have been filed.

☒ Such applications have been filed as follows:

- A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119**

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

- B. All foreign application(s), if any, filed more than 12 mos. (6 mos. for design) prior to this U.S. application**

Country:
Application No:
Filing date:

- C. US Provisional applications filed within 12 months prior to this U.S. Application**

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☐ No such applications have been filed

☐ Such applications have been filed, as follows:

<u>Serial No.</u>	<u>Filing Date</u>	<u>Patented</u>	<u>Status</u>	<u>Pending</u>	<u>Abandoned</u>

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Lawrence Edelman	Registration No. 25,226
Michael B. Einschlag	Registration No. 29,301
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Joseph Bach	Registration No. 37,771
Robert W. Mulcahy	Registration No. 25,436
Walter Benjamin Glenn	Registration No. 44,713
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Santa Clara, CA 95052.

Francis E. Morris
Phone No. (650) 493-4935

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Inventor's signature: _____ Date: _____
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Post Office Address: 41641 Denise St.
Fremont, CA 94539
U.S.A. Country of Citizenship: USA

Full name of second inventor: **Thorsten B. Lill**

Inventor's signature: _____ Date: _____
Residence: Santa Clara, California
Post Office Address: 88 Muir Avenue
Santa Clara, CA 95051
U.S.A. Country of Citizenship: Germany

Full name of **third** inventor: **Yeajer Arthur Chen**

Inventor's signature: _____ Date: _____

Residence: Fremont, California

Post Office Address: 744 Bodega Court
Fremont, CA 94539
U.S.A.

Country of Citizenship: USA

Full name of **fourth** inventor: **Mohit Jain**

Inventor's signature: _____ Date: _____

Residence: San Jose, California

Post Office Address: 4754 San Tropico Court
San Jose, CA 95135

U.S.A.

Country of Citizenship: India

Full name of **fifth** inventor: **Nicolas Gani**

Inventor's signature: _____ Date: _____

Residence: Milpitas, California

Post Office Address: 755 East Capitol Ave #C-308
Milpitas, CA 95035

U.S.A.

Country of Citizenship: Indonesia

Full name of **sixth** inventor: **Shing-Li Sung**

Inventor's signature: _____ Date: _____

Residence: Hsin-Chu, Taiwan

Post Office Address: N0121, Alley 18, Lane 85, Fu-Chun Street
Hsin-Chu, Taiwan
TAIWAN

Country of Citizenship: Taiwan

Full name of **seventh** inventor: **Jitske K. Trevor-Kretz**

Inventor's signature: _____ Date: _____

Residence: Sunnyvale, California

Post Office Address: 1000 Escalon Avenue, #P1124
Sunnyvale, CA 94086
U.S.A.

Country of Citizenship: USA

Full name of **eighth** inventor: **Meihua Shen**

Inventor's signature: _____ Date: _____

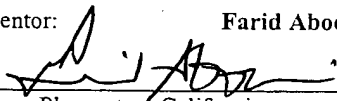
Residence: Fremont, California

Post Office Address: 694 Perry Common
Fremont, CA 94539
U.S.A.

Country of Citizenship: USA

Full name of ninth inventor: Farid Aboamari

Inventor's signature:



Date:

7/28/03

Residence:

Pleasanton, California

Post Office Address:

4159 Torino Court

Pleasanton, CA 94588

U.S.A.

Country of Citizenship

Iran

(Declaration ends with this page)